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10

Gather and Compile Legacy Data
for the Client's Equipment

12

Create an Appropriate Data Structure

14

Import Normalized Legacy Data
into Data Structure

16

Import Legacy Data and Data Structure
into a Mobile Survey Device

18

Survey Site Equipment Assets

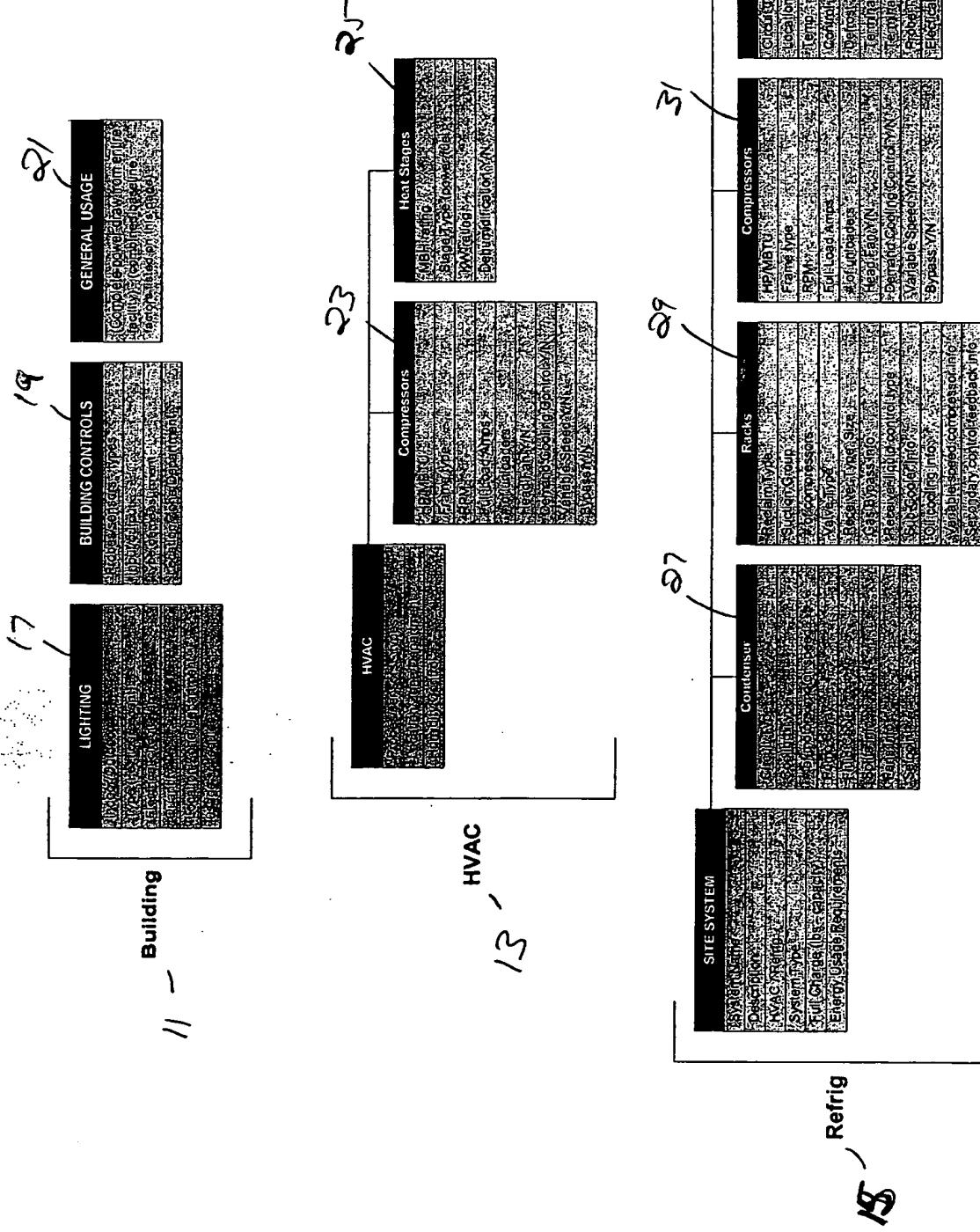
20

Conduct Quality Control on Survey Data

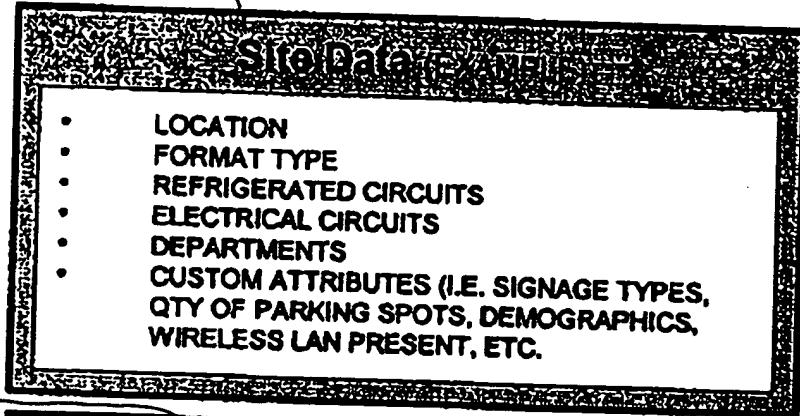
22

FIG. 1

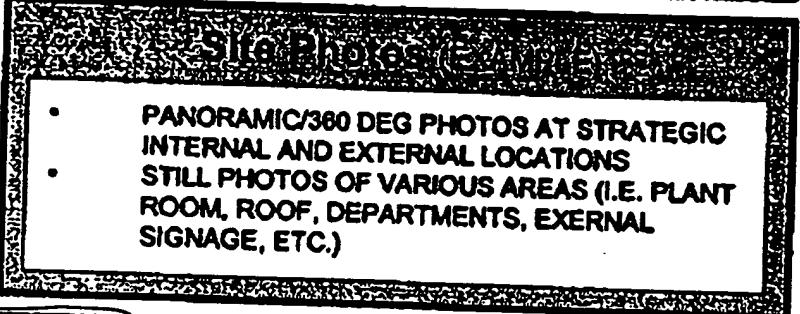
FIG. 1A



35



37



39

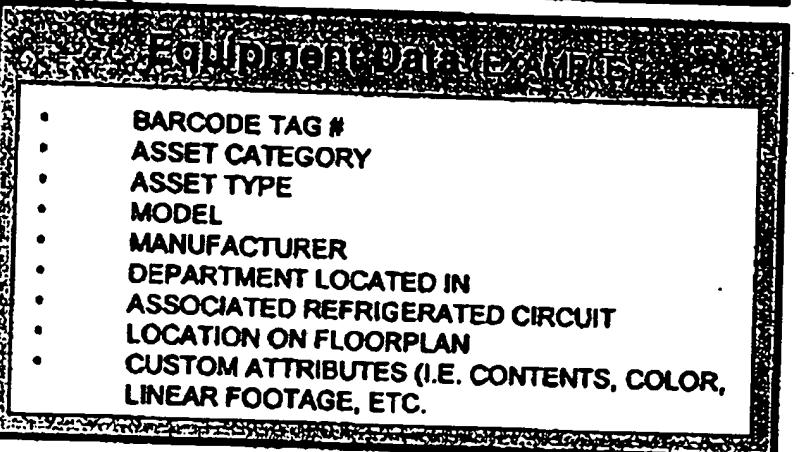


FIG. 1B

20
in

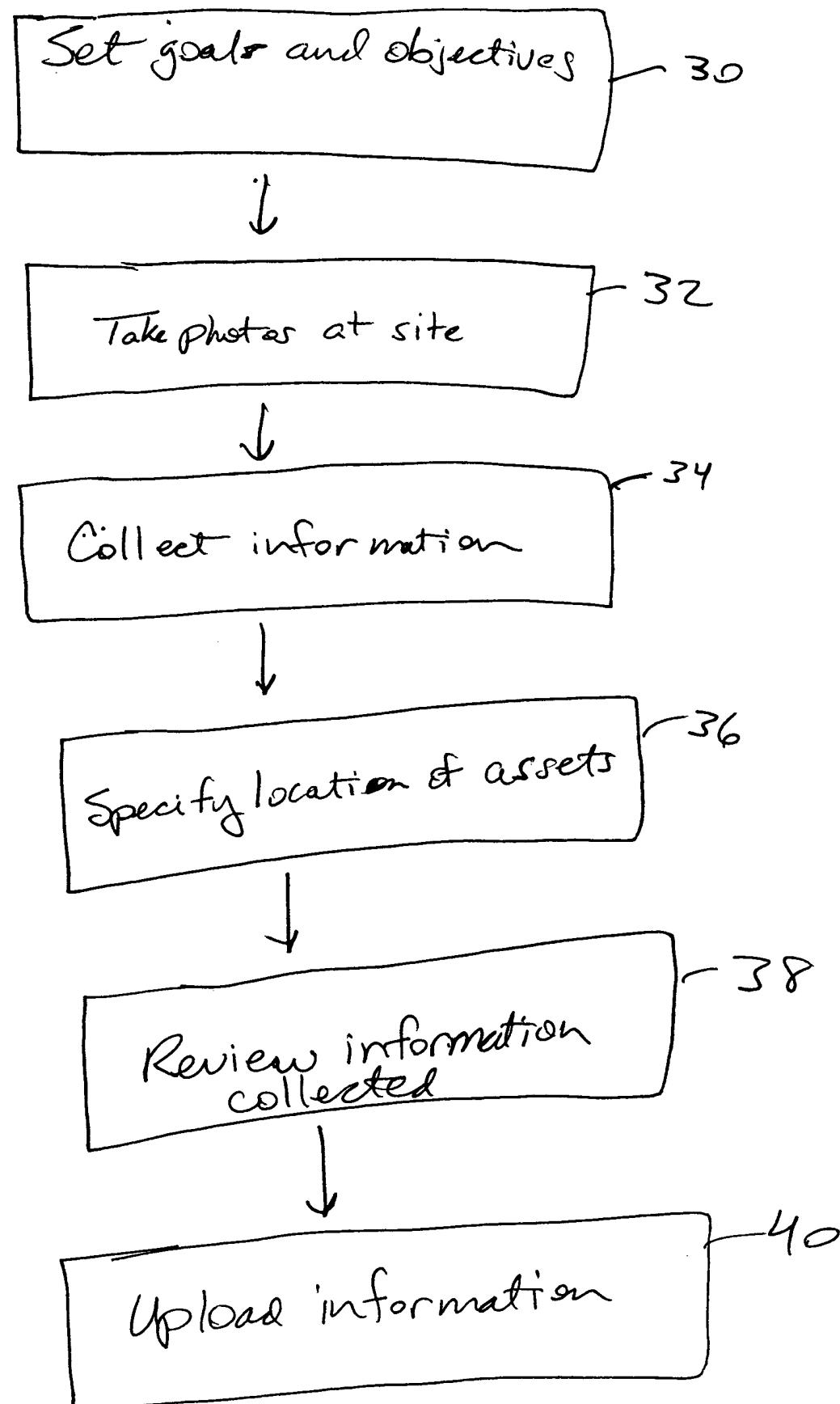


FIG. 2

Site Name : <input type="text" value="HEB411"/>	Backup Site <input type="text" value="42"/>	Site Description: <input type="text" value="Pleasanton"/>	Comment <input type="text" value="44 48"/>
Site Information		Floor Plans <input type="text"/>	Save <input type="button" value="Save"/>
Photos <input type="text"/>		Review and Submit <input type="button" value="Review and Submit"/>	
Survey Conducted By			
Surveyor Email Address <input type="text"/>			
Store Contact <input type="text"/>			

Print Guide

Date/Time Completed:

Check In with Manager — *50*
 Take Photos — *52*
 Place Assets — *54*
 View Site Report — *56*
 Upload Data to Verisae — *58*

FIG. 2A



Process Guide	Site Information	Photos	Floor Plans	Review and Submit
40	62	64	66	42
Address	Contacts	Attributes	Comments	
40				
Address Type:	Main			
Site Description: Pleasanton (Address types will be ignored if Address Line 1 is left blank.)				
Address Line 1	219 W. Oaklawn			
Address Line 2				
Town	Pleasanton			
State / Prov.	Texas	▼		
Postal Code	[REDACTED]			
Country	United States	▼		
Comment	Save	Close	Comment	Save

Fig. 3

Site Name: HEB195 Site Description: San Antonio #38

Process Guide Site Information Photos Floor Plans Review and Submit

Input Captured Photos temp directory

70

72

74

76

78

Photos

P1010009.JPG
P1010010.JPG
P1010011.JPG
P1010012.JPG

Current File P1010008.JPG

Publish Name DAIRY

Department

Comment

Accept Delete

Select action and complete data input for current captured photo.

Comment

Save Close

Comment Save Close

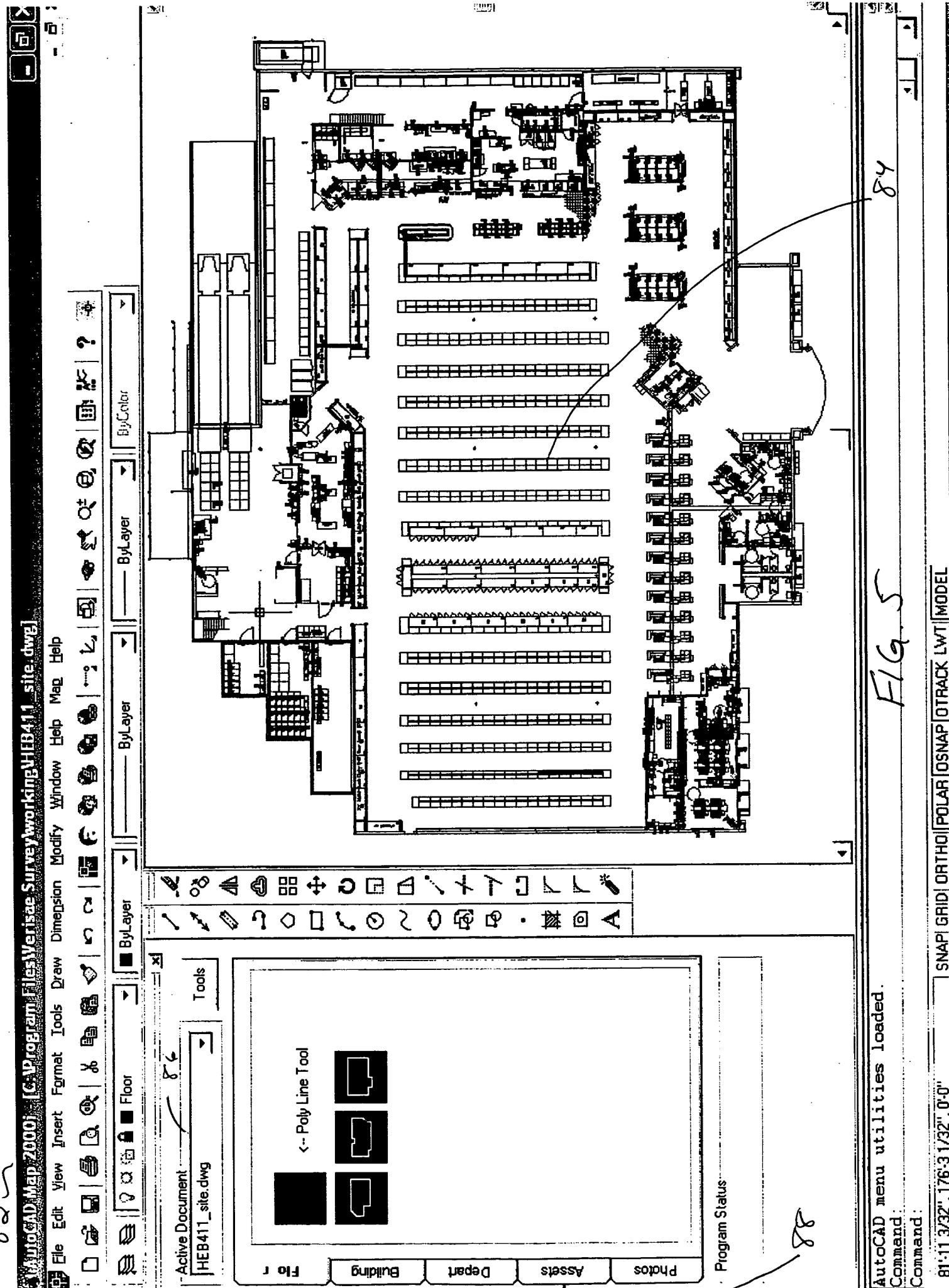
44

80

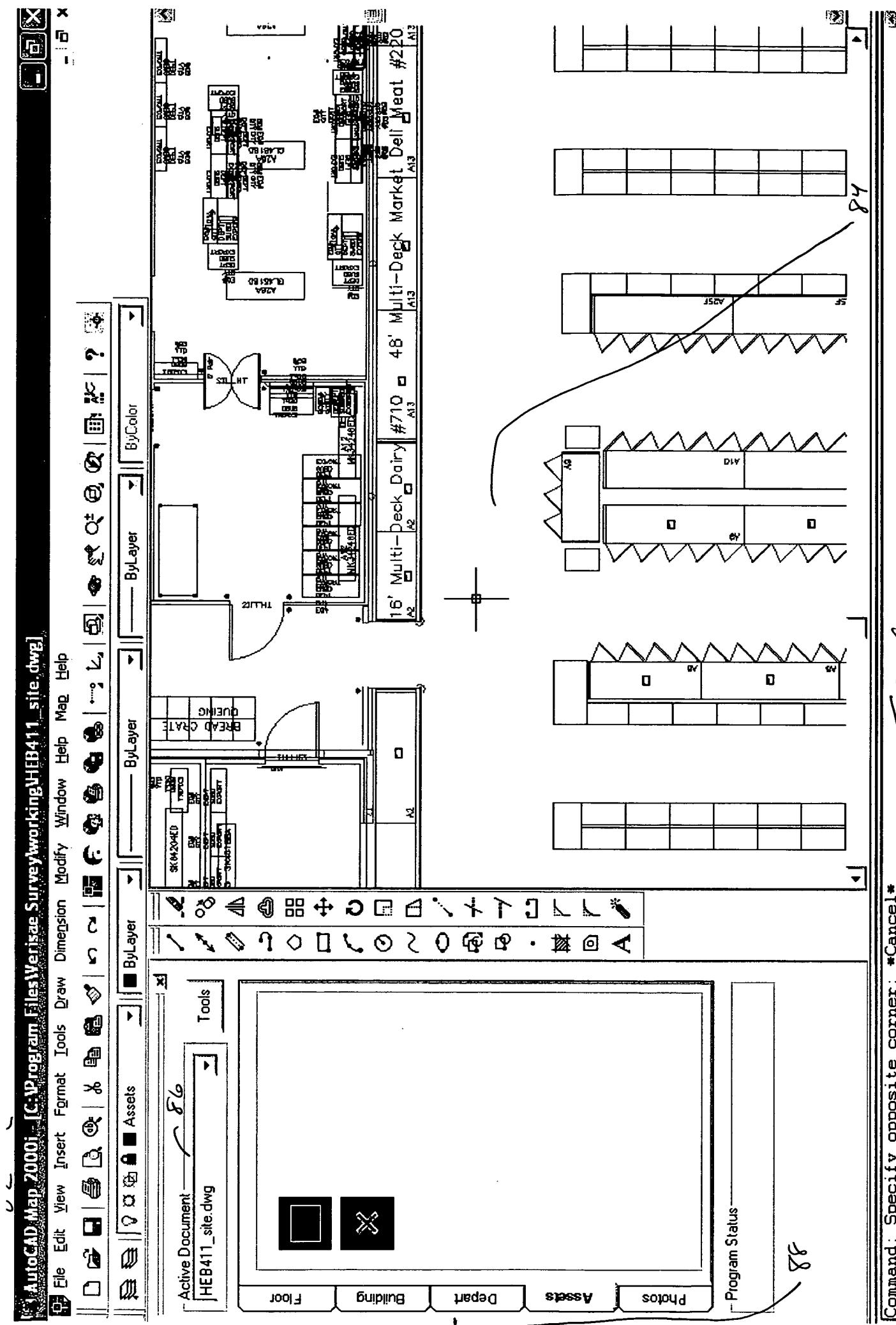
3:52 PM 1/30/2003

FIG. 4

<input type="button" value="Process Guide"/>	<input type="button" value="Site Information"/>	<input type="button" value="Photos"/>	<input type="button" value="Floor Plans"/>	<input type="button" value="Review and Submit"/>	
Sit Nam : <input type="text" value="HEB411"/>	Site Description: <input type="text" value="Pleasanton"/>	<p>There are currently no images to import</p>			
70 Imp it		<input type="button" value="Photos"/>	<p>Captured Photos - temp directory</p>		
<p>Current File <input type="text" value="72"/></p> <p>Publish Name <input type="text" value="74"/></p> <p>Department <input type="text" value="76"/></p> <p>Comment: <input type="text" value="78"/></p> <p><input type="button" value="Accept"/> <input type="button" value="Delete"/></p> <p>Select action and complete data input for current captured photo.</p>					



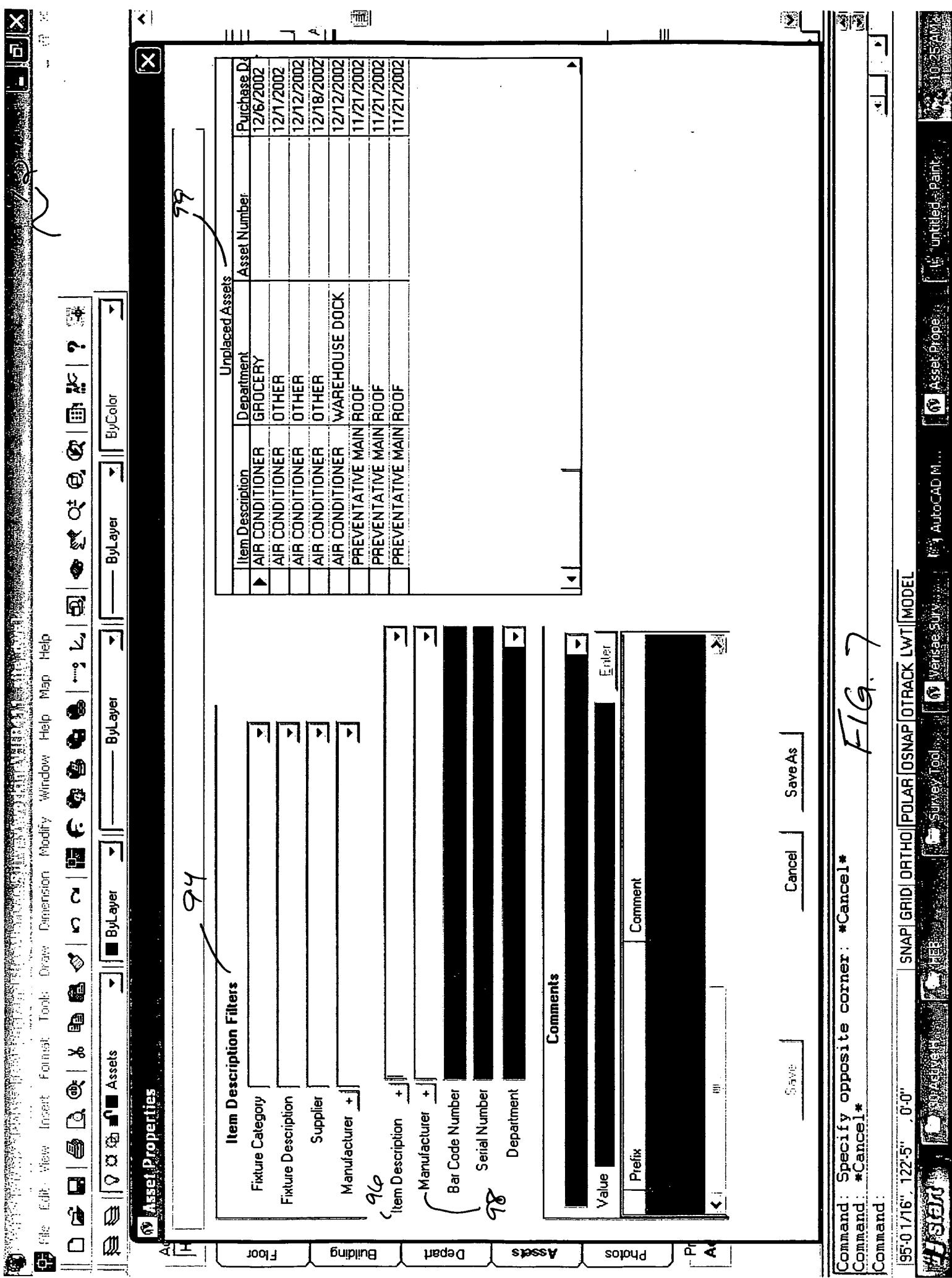
SNAP GRID ORTHO POLAR OSNAP OTRACK LWT MODEL
81'11 3/32" 176'3 1/32" 0'0"

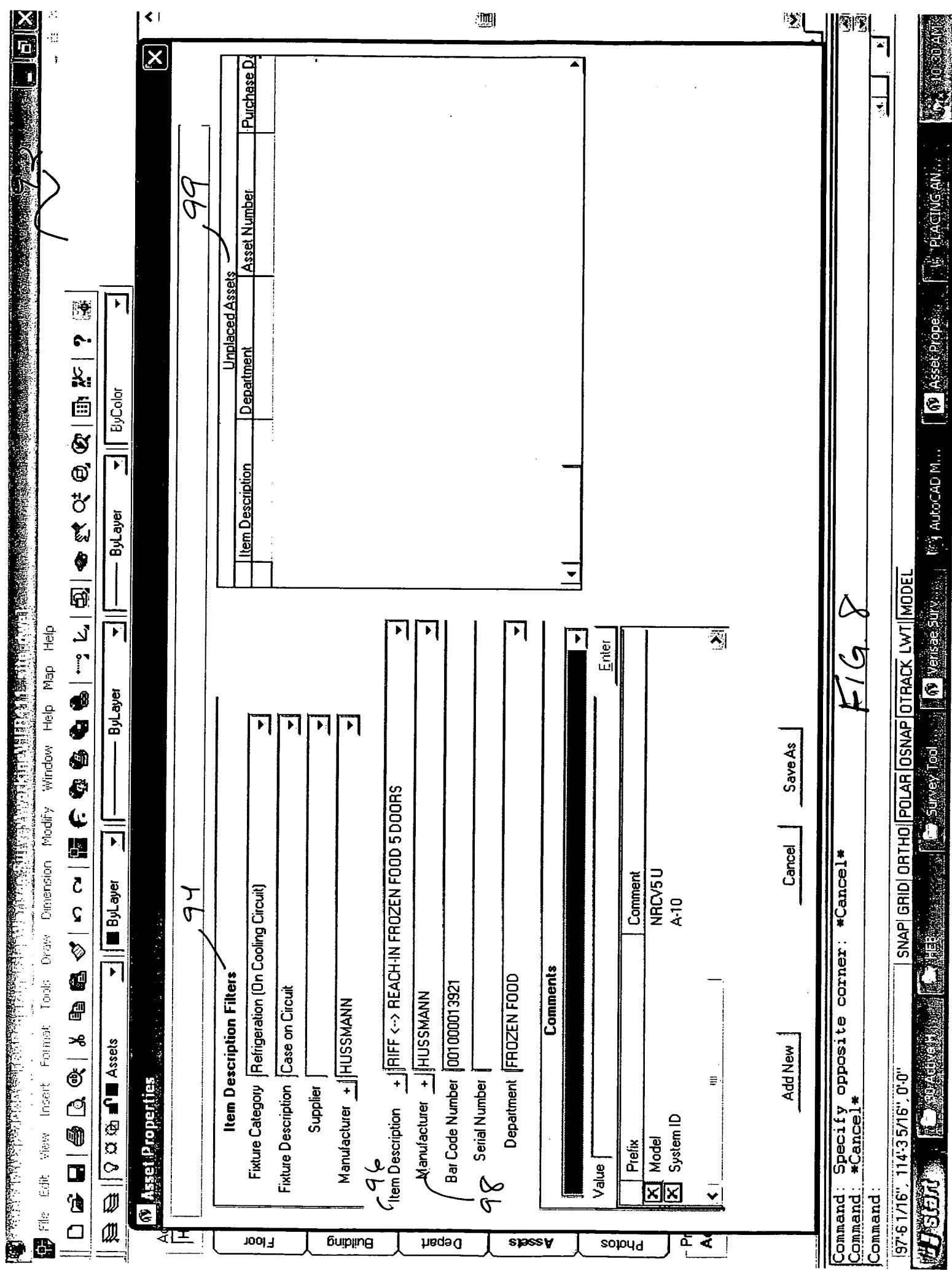


Command: Specify opposite corner: *Cancel*
Command: *Cancel*

Ergonomics

85-62732" 1.58478E+03 .0-0" SNAP GRID ORTHO POLAR DSNAP DTTRACK LWT MODEL





		Backup Site	Comment	Save	Close																		
Sit Nam : HEB411	Site Description: Pleasanton	Process Guide Site Information Photos Floor Plans Review and Submit																					
<p>Site Floorplans 103</p> <p>Floorplan Types Plant (plant.dwg)</p> <p>Floorplans Site HEB411 site.dwg Petrol Filling Station (HEB)</p> <p>Import Existing Drawing</p> <p>Floorplan Type <input type="button" value=">"/> <input type="button" value="Browse"/></p> <p>Preview Selected <input type="button" value="Edit Floorplans"/></p> <p>Indicate Assets Not Found</p> <p>Check the box next to any assets that cannot be found. This list includes all pre-existing assets that have not yet been placed on a floorplan.</p> <table border="1"> <thead> <tr> <th>Asset Types</th> <th>Work Center</th> <th>Asset #</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> AIR CONDITIONER</td> <td>OTHER</td> <td></td> </tr> <tr> <td><input type="checkbox"/> AIR CONDITIONER</td> <td>OTHER</td> <td></td> </tr> <tr> <td><input type="checkbox"/> AIR CONDITIONER</td> <td>OTHER</td> <td></td> </tr> <tr> <td><input type="checkbox"/> AIR CONDITIONER</td> <td>WAREHOUSE D...</td> <td></td> </tr> <tr> <td><input type="checkbox"/> AIR CONDITIONER</td> <td>GROCERY</td> <td></td> </tr> </tbody> </table> <p>Name: Site File: C:\Program Files\Verisae Survey\working\HEB411 site.dwg Description: Site</p>						Asset Types	Work Center	Asset #	<input type="checkbox"/> AIR CONDITIONER	OTHER		<input type="checkbox"/> AIR CONDITIONER	OTHER		<input type="checkbox"/> AIR CONDITIONER	OTHER		<input type="checkbox"/> AIR CONDITIONER	WAREHOUSE D...		<input type="checkbox"/> AIR CONDITIONER	GROCERY	
Asset Types	Work Center	Asset #																					
<input type="checkbox"/> AIR CONDITIONER	OTHER																						
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<input type="checkbox"/> AIR CONDITIONER	OTHER																						
<input type="checkbox"/> AIR CONDITIONER	WAREHOUSE D...																						
<input type="checkbox"/> AIR CONDITIONER	GROCERY																						



	Backup Site	Comment	Save	Close
Site Name : HEB411	Site Description: Pleasanton			
Process Guide	Site Information	Photos	Floor Plans	Review and Submit 48
Review Survey				

Site HEB411 Data Summary

109

Date of main survey completion **1/30/2003 1:12:01 PM**

111 **113** **117** **119** **121** **123** **125**

[Address](#) | [Contacts](#) | [Facts](#) | [Departments](#) | [Photos](#) | [Assets](#) | [Asset Types](#) | [Return to Top](#)

Main

Line 1 **219 W. Oaklawn** Phone **(830) 281-8172**

Line 2

City **Pleasanton**

State/Prov. **Texas**

Postal Code **REQUIRED FIELD!**

Country **United States**

[Address](#) | [Contacts](#) | [Facts](#) | [Departments](#) | [Photos](#) | [Assets](#) | [Asset Types](#) | [Return to Top](#)

Contacts

FIG. 9A

127 **—** **Publish**

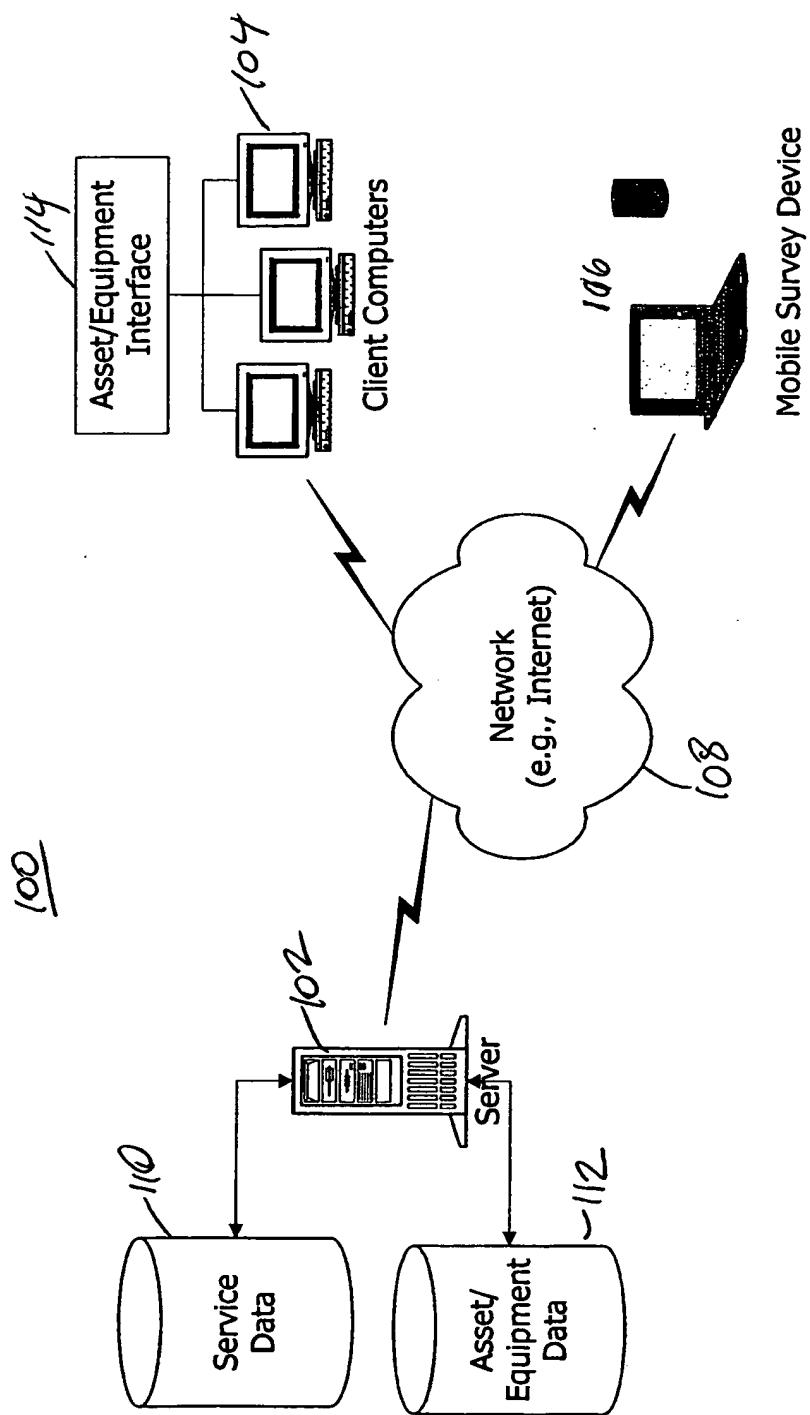


Fig. 10

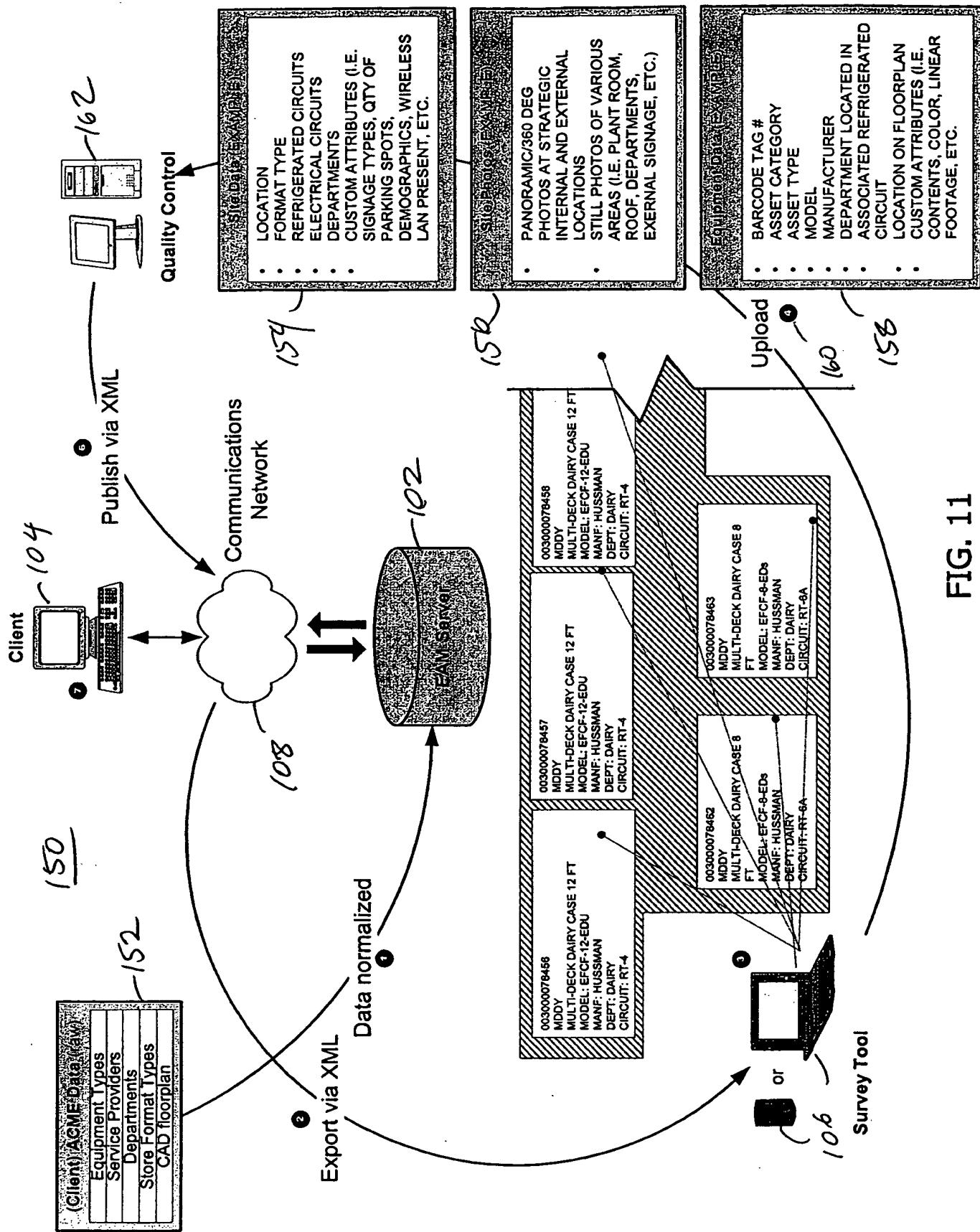


FIG. 11

200

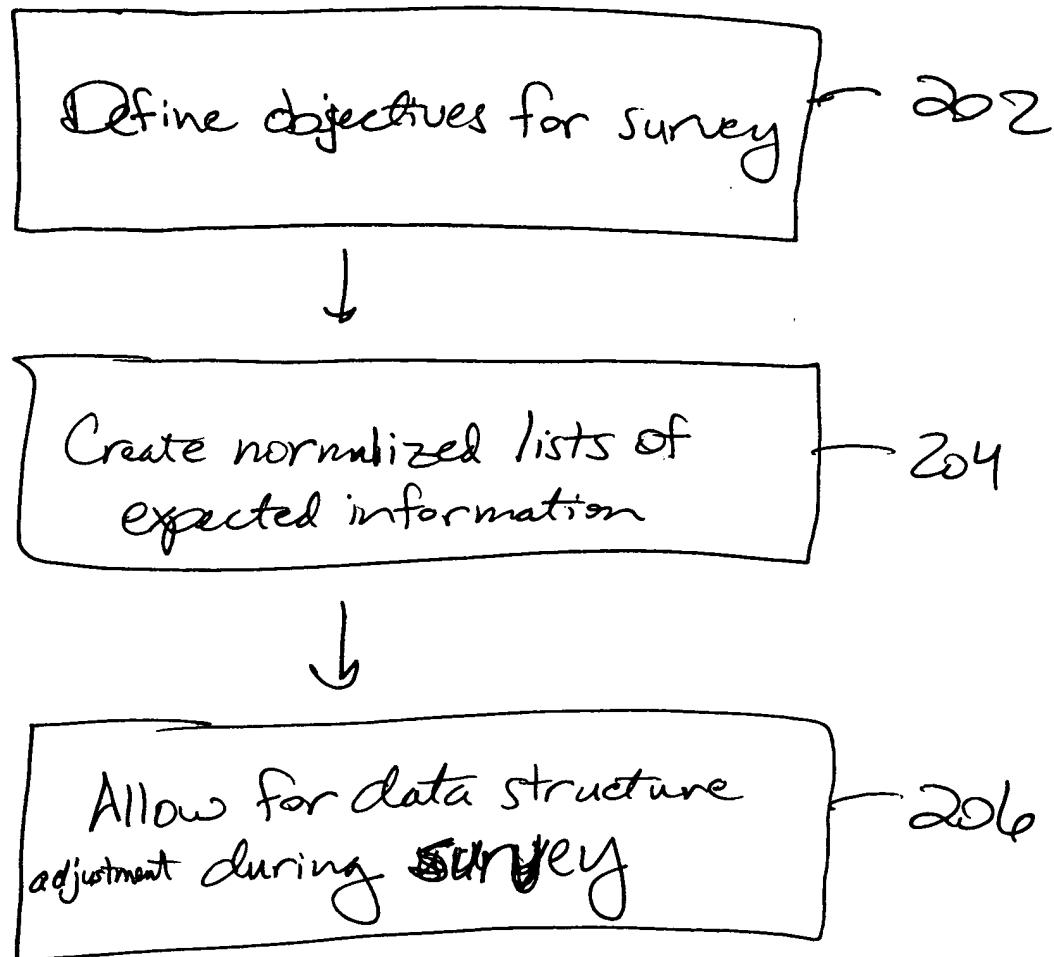


FIG. 12

202

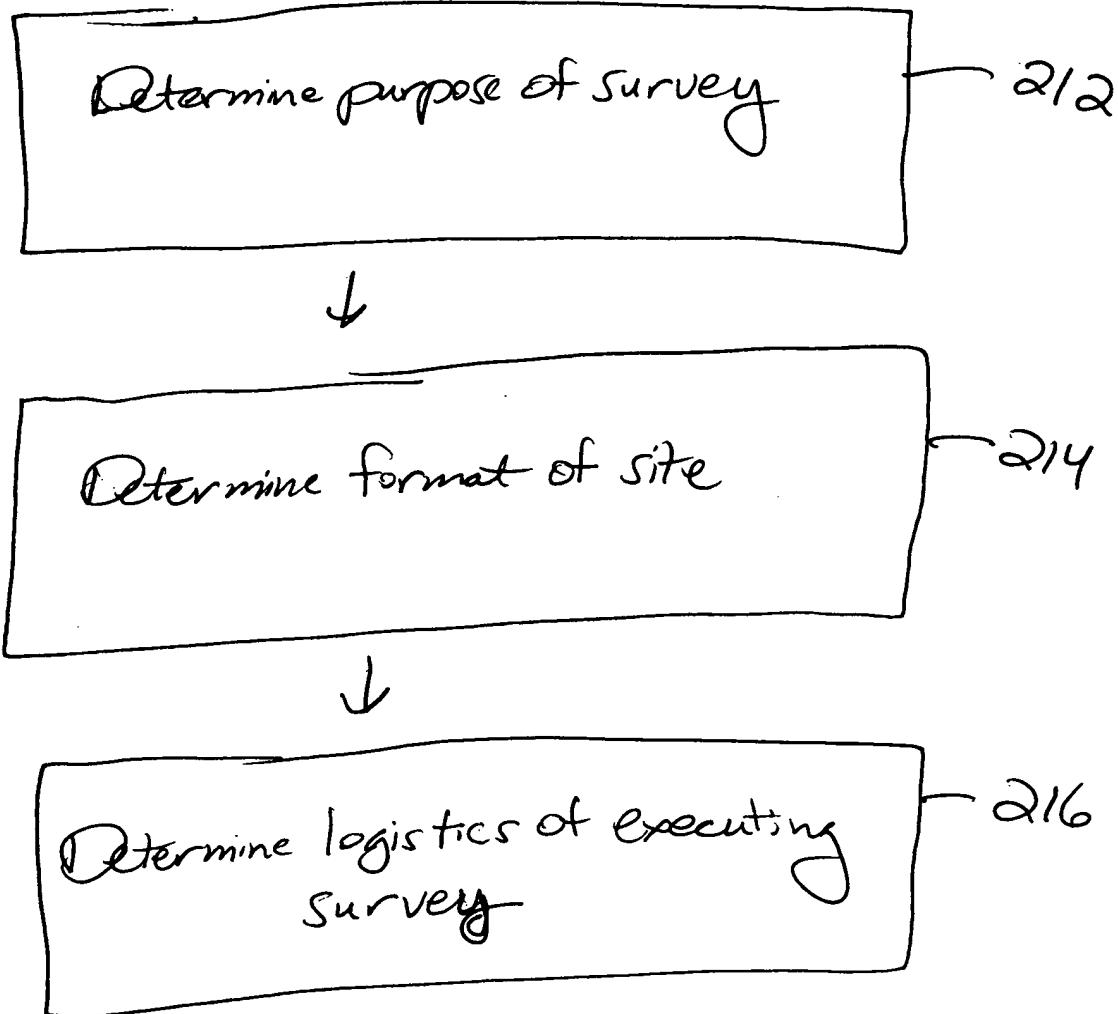


FIG. 13

224

Determining expectations
related to equipment

220



Determining expectations related
to site format

222



Determining expectations related
to photographs

224



Determining expectations related
to tasks for survey personnel

226

FIG. 14

206

Allow for entry of information
not provided for in data
structure

232



~~Identification~~ Identification of any
information that does not fit
within the data structure

234



Adjust data structure
to account for such
information in the future

236

FIG. 15

300

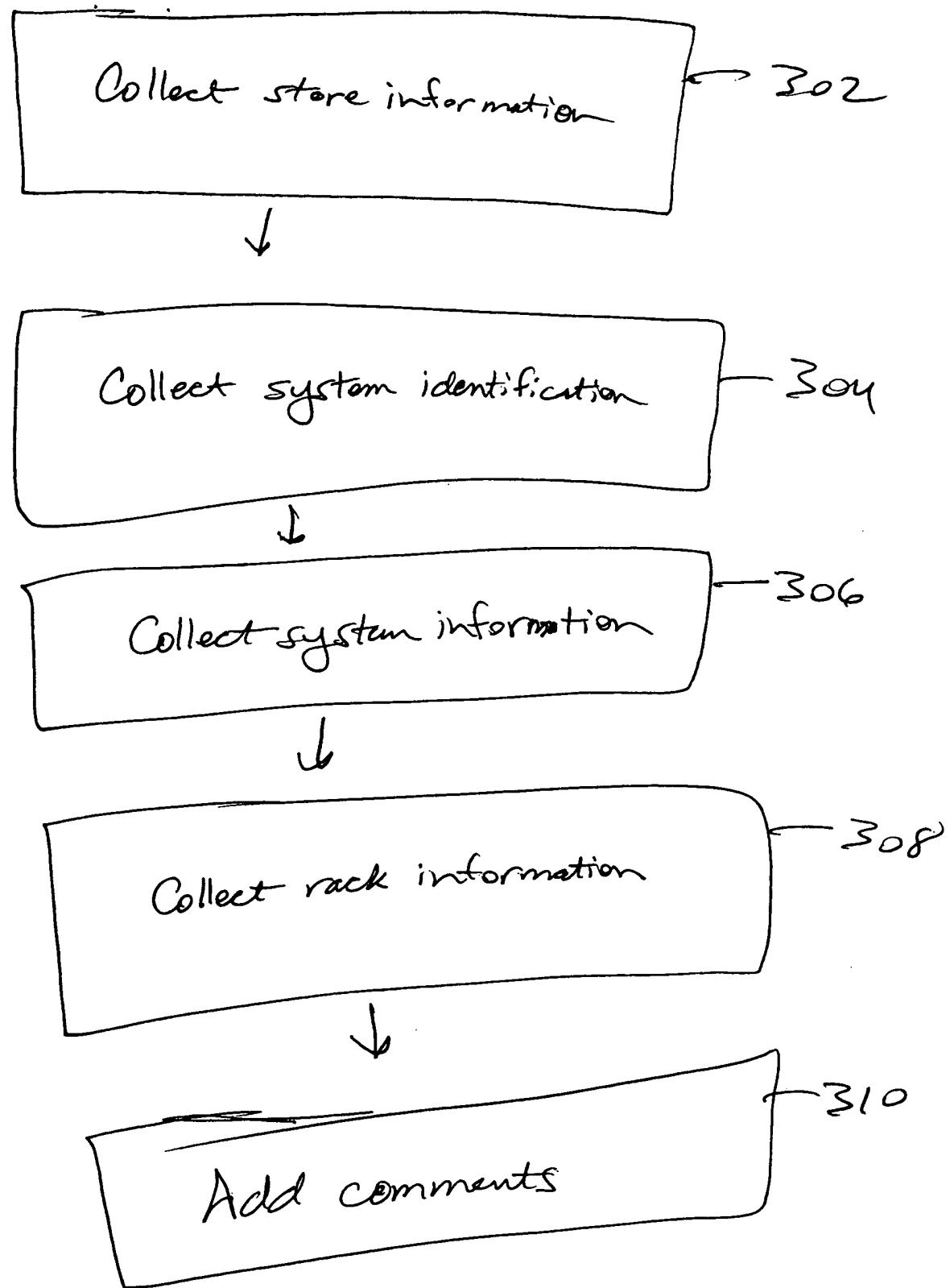


FIG. 16

SITE REFRIGERATION SYSTEMS SURVEY FORM (FORM 1)

SYSTEM NAME / ID:				
Store #	Date Surveyed	Contractor Group	Technician Name:	
Store Address		EPA Certification#:	Technician Phone #:	
System Information				
Charging Method	HVAC Commercial Refrigeration			
On-Site Charge Determination Order	Onsite Documentation Calculation Measurement Manufacturer's Information (Established Range)			
Refrigerant Type	R-12	R-22	R-134A	R-401A (MP39) R-402A (HP-80) R-404A (HP-62) R-408A R-502 R-507 Other
System Status	Normal Operation Operating Under Extension Shutdown Retrofit In Progress			
System Configuration	Rack (R)	Single Unit (U)	Self-Contained (SC)	Air Conditioner (AC) Other (O)
System Type	Low Temp (LT)	Medium Temp (MT)		
On-Site Charge Documentation				
System Description (incl. Area or Fixtures served)				
Rack Information (as needed)				
Rack Manufacturer		Compressor Manufacturer	Model #	HP
Receiver Volume (L ³ πR ²) (ft ³)				
<p>1. Full Charge Determination Order: (1) Onsite Documentation, (2) Calculation, (3) Measurement, (4) Manufacturer's Information (Established Range)</p> <p>2. Full Charge Formulas: Rack: [Receiver Volume (ft³) * Density * 1.5] Single Unit or Self-Contained or AC: [Total Horsepower * 9]</p>				
Density per Refrigerant Type:	R-12 (83.93), R-22 (76.77), R-134A (77.44), R-401A (76.60), R-402A (74.67), R-404A (68.11), R-408A (69.41), R-502 (74.67), R-507 (64.92)			
Total Horsepower →				

Comments: _____

R-408A (69.41), R-502 (74.67), R-507 (64.92)

2. Full Charge Formulas: Rack: [Receiver Volume (ft³) * Density * 1.5]

Single Unit or Self-Contained or AC:
[Total Horsepower * 9]

Density per Refrigerant Type: R-12 (83.93), R-22 (76.77), R-134A (77.44), R-401A (76.60), R-402A (74.67), R-404A (68.11), R-408A (69.41), R-502 (74.67), R-507 (64.92)

Total Horsepower →

 VERISAE

FIG 17

CONFIDENTIAL
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400

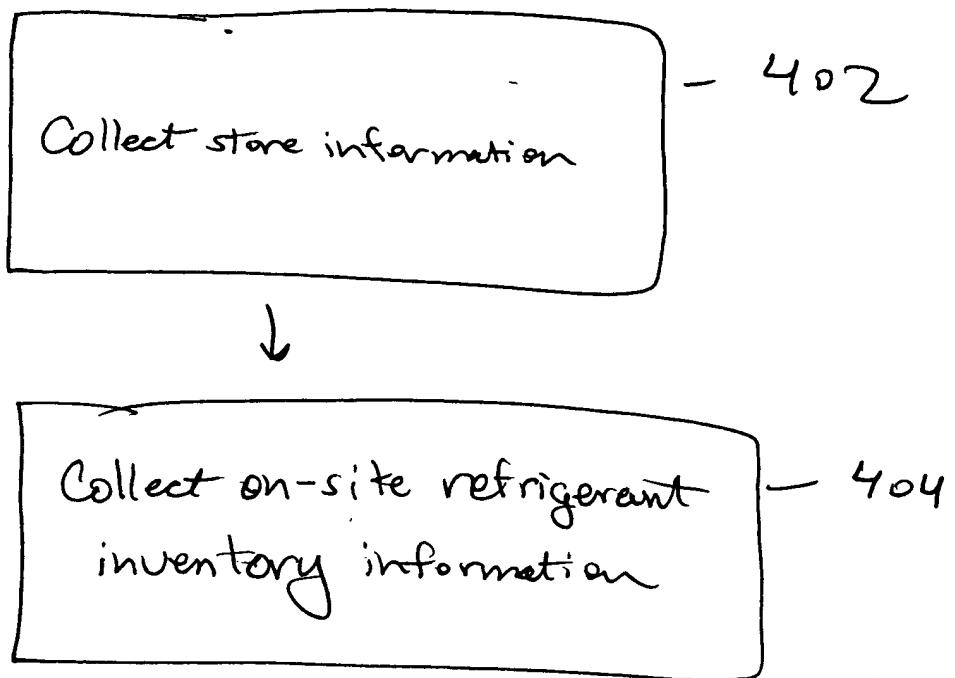


FIG. 18

SITE REFRIGERATION SYSTEMS SURVEY FORM (FORM 1A)

Store #	Date Surveyed	Contractor Group	Technician Name:
Store Address	EPA Certification#:	Technician Phone #:	

ON-SITE REFRIGERANT INVENTORY								Reclaimed			Cylinder Size			Charge			Cylinder ID										
Refrigerant Type								R-12	R-22	R-134A	R-401A (MP-39)	R-402A (HP-80)	R-404A (HP-62)	R-502	R-507	Other	Yes	No	30#	50#	125#	1000#					
1																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
2																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
3																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
4																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
5																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
6																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
7																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
8																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
9																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
10																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
11																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
12																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
13																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
14																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
15																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
16																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
17																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
18																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
19																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full
20																		Empty	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	Full

450

Collect store information

— 452



Collect system information

— 454



Collect service information

— 456



Collect technician comments

— 458

FIG. 20

REFRIGERANT USAGE LEAK CHECK / REPAIR REPORT (FORM 2)

For Client Use:
 Date Received _____
 Leak Rate Acceptable? (Y/N) _____

Store #										
Site System										
Refrigerant Type	R-12 R-22 R-134A R-401A R-402A R-404A R-408A R-502 R-507 Other: (MP39) (HP-80) (HP-62)									
Amount Added (lbs.)										
Amount Recovered (lbs.)										
Date of Service										
Service Reference # (Work Order # - assigned by Division)										
Leak Status	NA	Leak Repaired	Repaired Attempted							

Technician Comments

Exact leak location(s),
be specific: _____

Were all identified leaks repaired?

_____ Not Applicable (no leaks were identified or repaired during this service call)

_____ No; Describe why and note dates anticipated for completion: _____

_____ Yes; Describe leak repair methods _____

Leak repair was verified by (circle one): bubble electronic/ultrasonic pressure evacuation dye inject

Is a return trip needed? (Y/N) _____ If yes, date scheduled: _____

Additional comments:

Complete the following: *I certify, based on my sound professional judgment and verification testing as appropriate, that all identified leaks have been repaired in accordance with EPA Regulation 40 CFR Part 82.*

Signature: _____ (Same technician as identified below)

Technician Name: _____
(Print Name)

Phone Number # _____

Contractor: _____

EPA Cert. # _____

NOTE TO STORE DIRECTOR: Ensure this form is thoroughly completed and legible. Your signature below confirms that you have verified the service technician is EPA certified and that you understand the company policy and information on this form. If a leak is detected and not repaired at time of service, contact your designated Maintenance Department for further direction to ensure proper follow-up occurs. File a copy of this form in the designated store "Refrigerant Tracking Report" folder.

Store Director Printed Name (or other designated store manager): _____

Signature: _____

Date: _____

FIG. 21

460

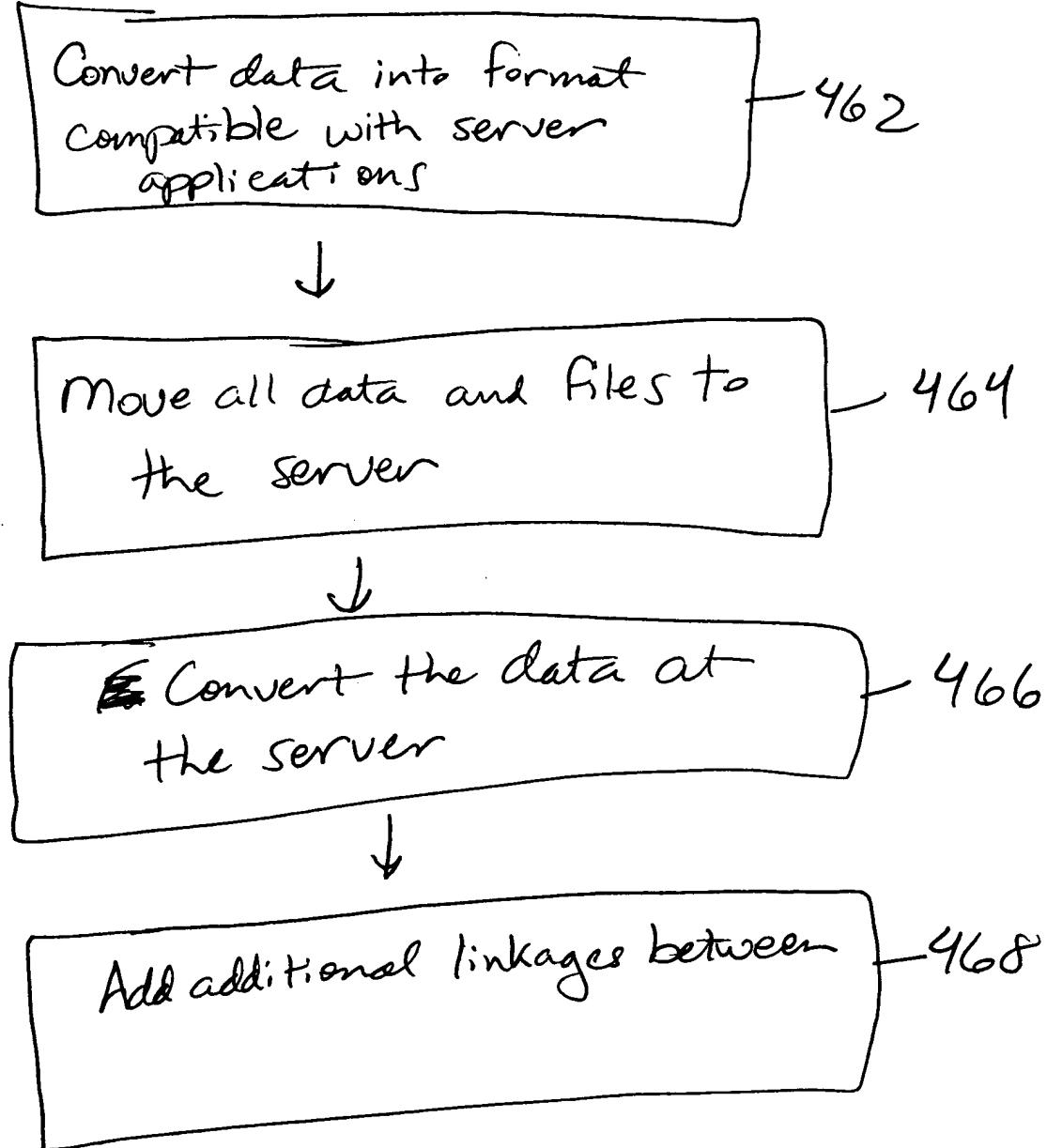


FIG. 22

600

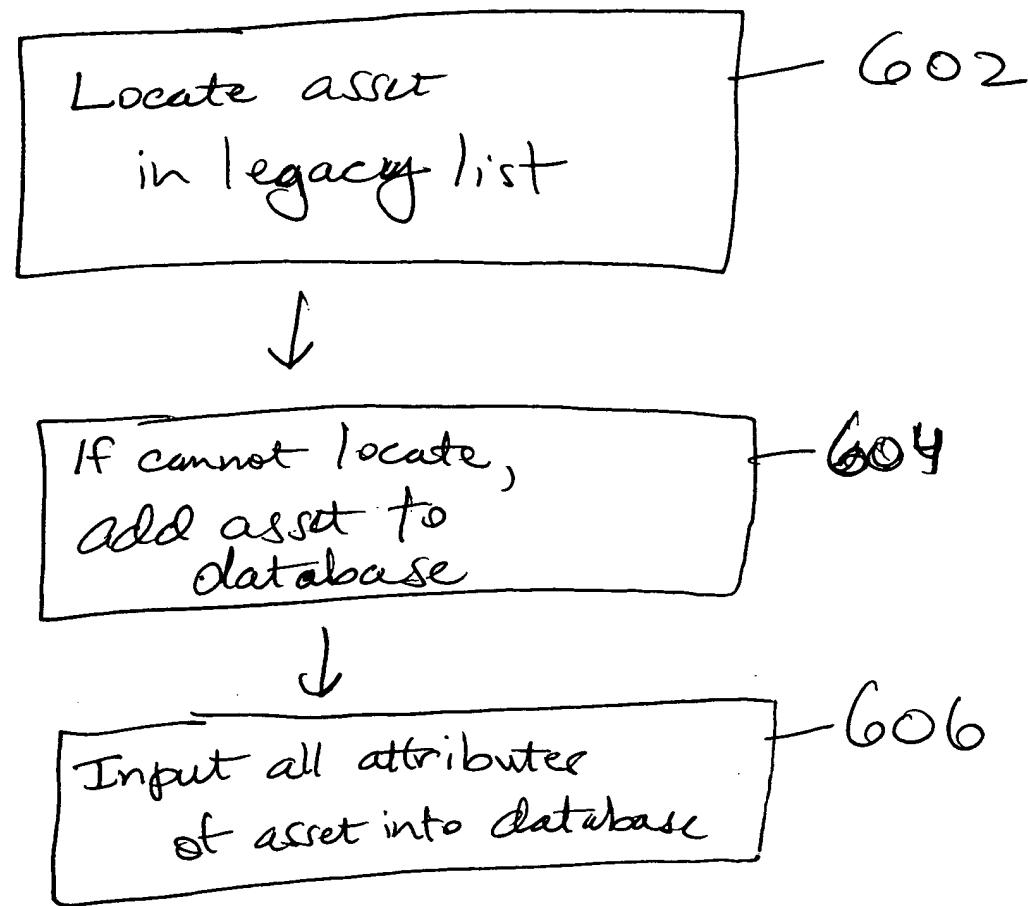


FIG. 23

95

Step 1 - Legacy Data

Find asset in legacy list

Lookup Existing Barcode Number

614
FILTER A

ASSET FOUND	
Model	<input type="text"/>
Barcode Number	<input type="text"/>
Serial Number	<input type="text"/>
Department	<input type="text"/>
Manufacturer	<input type="text"/>
<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>	
<input type="button" value="add new manufacturer"/> <input type="button" value="add new department"/>	
<input type="button" value="Continue"/> <input type="button" value="Proceed to Asset Attributes"/>	

Asset cannot be found in legacy data, go to step 2

FOUND

Fig. 24

624

Step 2:

Add New Asset to Register

Use this step if the asset could not be found in the expected list of items.

CATEGORIZE

Fixture Category

Fixture Description

D

IDENTITY

Item / Description

E

626
add new item description
Add

IDENTITY

Model

Barcode Number

Serial Number

Department

E

IDENTITY

Manufacturer

628
add new manufacturer to list
Add

PLACE ASSET

Continue

Proceed to Asset Attributes

630

FIG. 25

634

Step 3: Attributes

Asset Attributes

Fill out all attribute fields.

635 Bumper Color

Condition

636 Shelf Type

637 Shelf Dimensions

638 Shelf Components

639 640

Attribute

Attribute

Attribute

Attribute

Attribute

Attribute

641 642

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